

BIRSHTEYN, Ya.A.; VINOGRADOV, M.Ye.

1100 1000

Notes on the feeding habits of deep-water fishes of the Kurile-Kamchatka Trench. Zool. shur. 34 no.4:842-849 J1-Ag '55.

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova

i Institut okeanologii Akademii nauk SSSR (Kurile Trench--Fishes--Food)

VINDERADIV, 4 ye.

USER/ Biology - Hydrobiology

Mard 1/1 Pub. 22 - 48/53

Authors & Bogorov, V. G., and Vinogradov, M. Ye.

Title : The zooplankton of the northwestern part of the Pacific Ocean

Periodical : Dok. AN SSSR 102/4, 835-838, Jun 1, 1955

Abstract : Hydrobiological data are presented on the zooplankton of the north-western part of the Pacific Ocean in the region of the Kuril Islands. Eight references: 2 English and 6 USSR (1938-1955). Diagrams.

Institution : Acad. of Sc., USSR, Inst. of Oceanology

Presented by: Academician A. A. Grigoryev, March 14, 1955

BIRSHTEYN, Ya.A.: VINOGRADOV, M.Ye.; CHINDONOVA, Yu.G.

Vertical distribution of plankton in the Kurile-Kamchatka Trench.
Trudy probl.i tem.sov. no.6:17-18 '56. (MLRA 9:11)

1. Institut okeanologii AH SSSR i Moskovskiy gosudarstvennyy universitet. (Kurile Trench--Plankton)

VINOGRADOV, M.Ye.

Distribution of sooplankton in western areas of the Bering Sea.
Trudy Gidrobiol.ob-va 7:173-203 '56. (MERA 10:2)

1. Institut okeanologii Akademii nauk SSSR.
(Bering Sea.-Ecoplankton)

Amphipeda-Hyperiidea of the western Bering Sea [Amglish summary in insert]
Zeel.zhur. 35 no.2:194-218 F * 156.

1.Institut ekeanelegii AN SSSR.
(Bering Sea--Amphipeda)

VINOGAADOV, M. YE.

AUTHOR: Vinogradov, M.Ye., Candidate of Biological Sciences 26-10-14/44

TITLE: Lakes of the Antarctic "Oasis" (Ozera antarkticheskogo

TITLE: Lakes of c. "oazisa"))

PERIODICAL: Priroda, 1957, No 10, pp 89-92 (USSR)

ABSTRACT: The author accompanied an expedition to the "Bandzhera Oasis" in Antarctica in January 1956 and gives a description of

the lakes he saw there. The casis covers an area of approximately 600 sq km and is located in the midst of a snowy wilderness in the area of Knox's Shore. It is free of snow and ice and abounds in lakes many of which are not frozen. The

author distinguishes between three types of lakes. One category contains completely fresh and clear water which comes from continental glaciers. These lakes are of varying lengths (3 to 5 km). They show various kinds of algae and are in-

habited by small crabs of the Acanthocyclops family. Anhabited by small crabs of the Acanthocyclops family. Another category of lakes is oval shaped and contains brackish water with seaweeds on the bottom. They are found in snow-

less valleys and have no outlets. They are inhabited by very small swimming worms. The third type is located in the northwestern part of the casis. They are actually bays extending

western part of the oddis. Their mouths are covered with eternal far into the mainland. Their mouths are covered with eternal ice while the bays themselves are water. These fiords show

Card 1/2

Lakes of the Antarctic "Oasis"

26-10-14/44

CHARLEST CONTROL CONTROL OF THE CONT

the greatest variety of seaweed and animal life, like copepoda, starfish and small Antarctic fish.

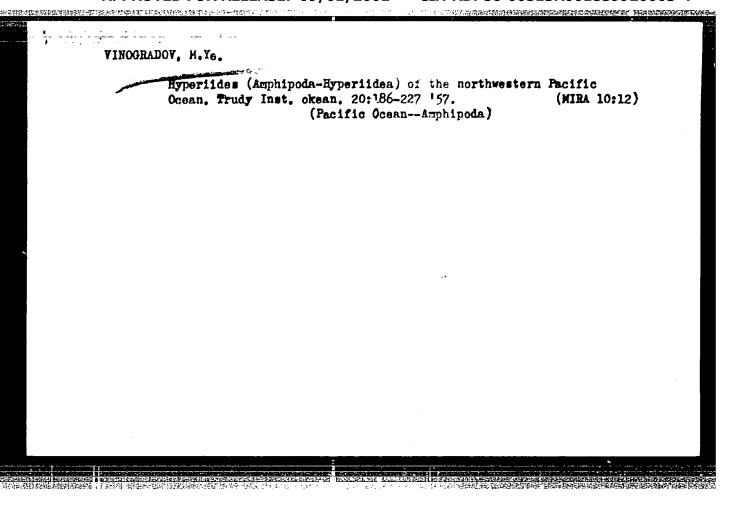
There are 4 photos.

ASSOCIATION: Institute of Oceanology of the USSR Academy of Sciences (Moscow) (Institut okeanologii AN SSSR (Moskva)

AVAILABLE:

Library of Congress

Card 2/2



THE STATE OF THE PROPERTY OF T

DORUTSKIY, Ye.V.; VINOGRADOV, M.Ye.

Occurrence of Cyclopidae (Acanthocyclops mirnyi, sp.n.) on the Antarctic Continent [with summary in English]. Zool. shur. 36 no.2:199-203 F '57.

(MIRA 10:6)

1. Zoologicheskiy musey Moskovskogo gosudarstvennogo universiteta i Institut okeanologii Akademii nauk SSI?.

(Queen Mary Coast--Copepoda)

Vinegralar, M. t.

USSR/General Biology - General Hydrobiology.

B-6

Abs Jour

: Ref Zhur - Biol., No 4, 1958, 14455

Author

Brodskiy, K.A., Vinogradov, M.E.

Inst Title

: Plankton Distribution in the Indian (?) Sector of Antarctica (from Data of the Ist Voyage of the Combined Antarctic Expezition of the Academy of Sciences, USSR).

Orig Pub

: Dokl. AN SSSR, 1957, 112, No 5, 957-960

Abstract

: Based on plankton collections conducted on the first voyage of the "Ob" from February 29 to June 3, 1956, it was established that for this period the zone richest in phytoplankton (2.6 g/m3) lies directly near the shores of Antarctica; zooplankton develops most abundantly in the zone between the northern border of the floating ice belt and 63-640 south. lat. The average plankton biomass in this zone of the Antarctic in the period of biological summer (0.317 g/m^3) is close to (a little lower) the plankton

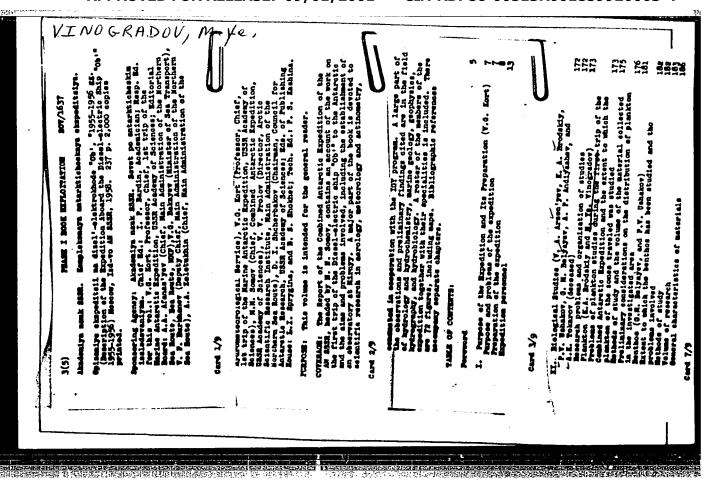
Card 1/2

USSR/General Biology - General Hydrobiology.

Ab APRROVED FOR RELEASE: 09/01/2001 C CIA-RDP86-00513R001859920003-4"

> biomass of some seas of the Northern Hemisphere (Barents, Bering, Okhotsk Seas and the waters of Kurilo-Kamchatka inlets).

Card 2/2



VINOGRADOV, M.Ye., kand.biol.nauk; NAUMOV, A.G., aspirant

Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution of plankton in Antarctic waters of the Quantitative distribution distribution distribution distribution distribution distribution distr

1. Institut okeanologii AN SSSR.
(Antarctic regions--Plankton)

BOGOROV, V.G.; VIHOGRADOV, M.Ye.

Distribution of zooplankton in the northwestern part of the Pacific Ocean. Trudy Okean, kom. 3:100-101 *58. (MIRA 11:8)

(Pacific Ocean-Zooplankton)

THE PARTY OF THE P

VINOGRADOV, M. Ye.

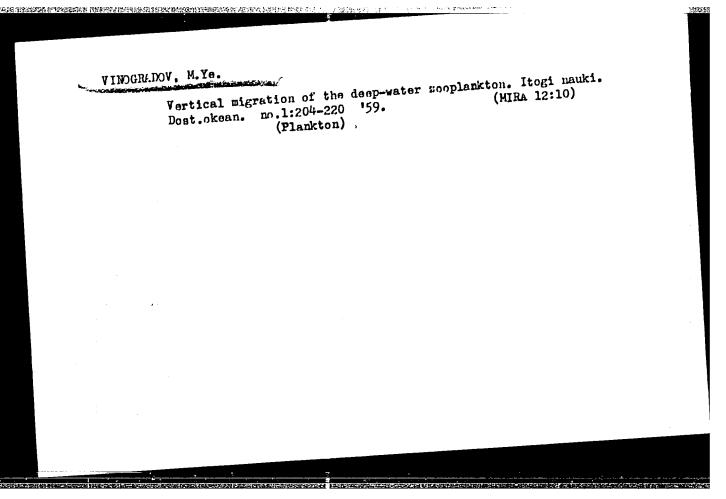
"Quantitative Distribution of Deep-Sea Plankton in the Western Pacific and its Relation to Deep Water Circulation". report to be submitted for the Intl. Oceanographic Cong. New York City, 31 Aug - 11 Sep 1959.

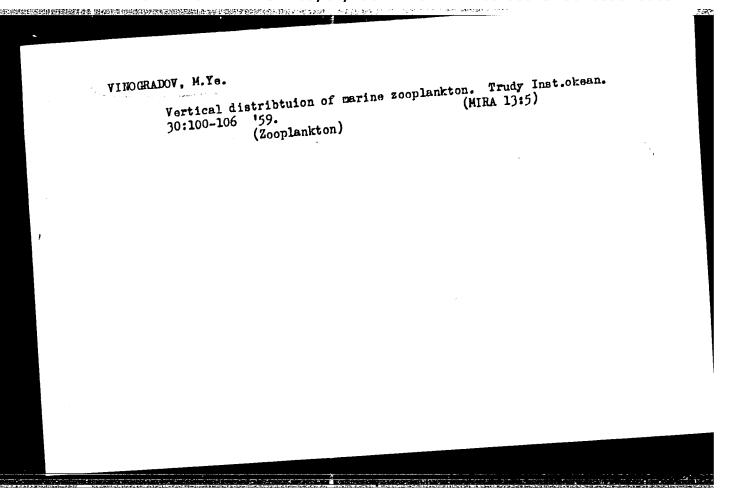
(Inst. of Oceanology, Moscow)

VINOGRADOVA, N.G.; BIRSHTEYN, Ya.A.; VIMOGRADOV, M.Ye.

Vertical distribution of deep-water botton fauma. Itogi nauki:
Dost.okean. no.1:166-187 '59. (MIRA 12:10)

(Marine fauma)





VINOGRADOV, H.Ye.; VINOGRADOVA, N.G.

Zoological research during the 26th voyage of the expeditionary ship "Vitiazi". Zool. zhur. 38 no.4:649-652 Ap '59. (MIRA 12:5)

1. Institut okeanologii AN SSSR, Moskva.
(Pacific Ocean-Marine fauna)

SOV/20-127-4-43/60 3 (9) Vinogradov, M. Ye. AUTHOR: On the Quantitative Distribution of Deep-sea Flankton in the Western Part of the Pacific Ocean and Its Relations to the · TITLE: Circulation of Abyssal Waters Doklady Akademii nauk SSSR, 19,), Vol 127, Nr 4, pp 877-880 (USSR) PERIODICAL: The data on the topic mentioned in the title are very scarce and regard depths above 2000-3000 m. The distribution mentioned in ABSTRACT: the title, however, does not only permit to observe individual penetrating water jets but also the general shift of large amounts of water. The material used in the present paper was taken from different layers by the ships "Vityaz" and "Ob" at 20 stations in the Pacific Ocean between 50° northern and 63° southern latitude (Fig 1). The enrichment of the plankton of the tropical deep layers is explained by the entering of abyssal waters from the boreal region as had been mentioned before (Refs 7, 8). These abyssal waters contain comparatively rich deep-sea plankton of the temperate zones and a large quantity of organic substance. Its high degree of plankton concentration decreases with the movement towards the equator and the transformation of these waters because the plankton perishes or Card 1/3

On the Quantitative Distribution of Deep-sea Plankton SOV/20-127-4-43/60 in the Western Part of the Pacific Ocean and Its Relations to the Circulation of Abyssal Waters

is eaten up. The products of the vital activity of the plankton. its residues, and finally, the plankton itself serve as food for the tropical deep-sea organisms. Thus increased plankton concentration is maintained in these layers despite of a rather quick displacement of the "population". The organic substance carried by horizontal currents from more productive parts of the ocean provides additional food for deep-sea plankton. The most thorough meridional shift of the abyssal waters takes place in the western part of the North Pacific Ocean (below 500 m). There seems to be no counter-current of the abyssal waters (contrary to Ref 9). There is a different situation in the south-western part of the Ocean. North-east of New Zealand the enrichment of deep-sea plankton takes place in the layer 500-1000 m and below 2000 m (Fig 2). This corresponds to an underflowing of the Antarctic waters but is less intense than in the region southwest of Japan. Thus the plankton distribution in the southern hemisphere agrees with the circulation scheme by G. Wüst (Ref 10) and later authors (Refs 9, 10). There is no uniform opinion with regard to abyssal circulation of the northern hemisphere. The

Card 2/3

On the Quantitative Distribution of Deep-sea Plankton SOV/20-127-4-43/60 in the Western Part of the Padfic Ocean and Its Relations to the Circulation of Abyssal Waters

only fact known is that the character of the movement of the abyssal waters assumed by the author on account of the distribution of the plankton biosubstance is in good agreement with the circulation scheme by V. N. Stepanov (of the institute mentioned in the Association). The underflowing of abyssal waters from temperature latitutes is also proved by the analysis of qualitative plankton composition. In conclusion, comparisons are made with other oceans. There are 2 figures and 16 references, 6 of which are Soviet.

ASSOCIATION:

Institut okeanologii Akademii nauk SSSR (Institute of Oceanography

of the Academy of Sciences, USSR)

PRESENTED:

March 30, 1959, by D. I. Shcherbakov, Academician

SUBMITTED:

March 24, 1959

Card 3/3

BOGOROV, V.G.; VINOGRADOV, M.Ye.

Distribution of the biomass of zooplankton in the central Facific. Trudy Gidrobiol. ob-va 10:208-223 '60.

(MIRA 13:9)

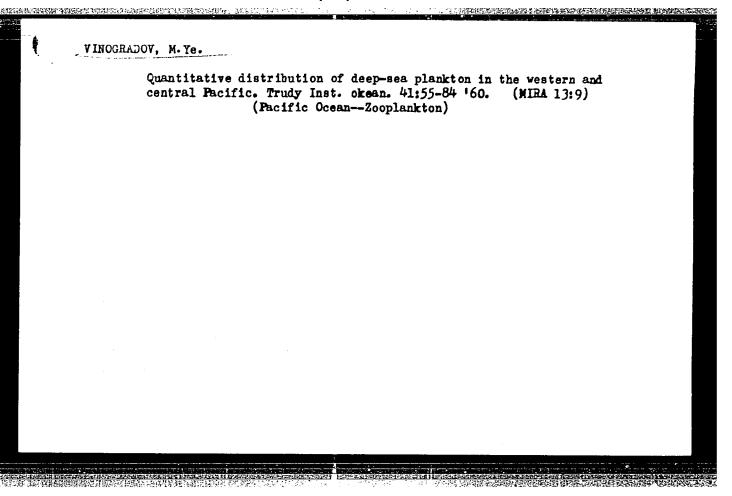
(Pacific Ocean--Zooplankton)

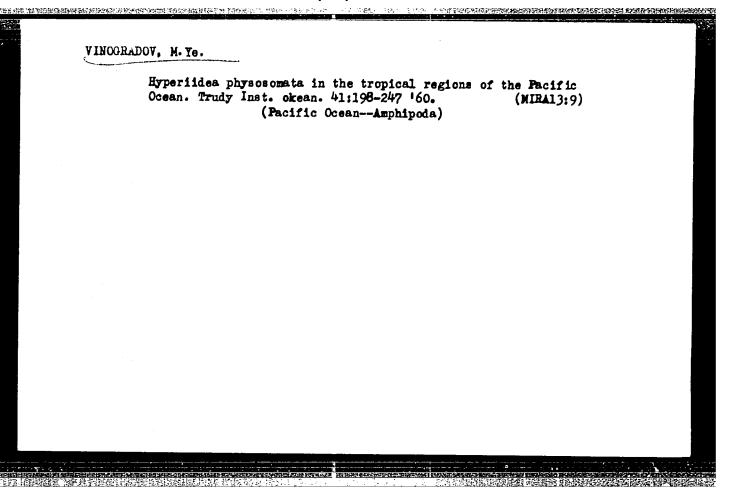
BOGOROV, V.G.; VINOGRADOV, M.Yo.

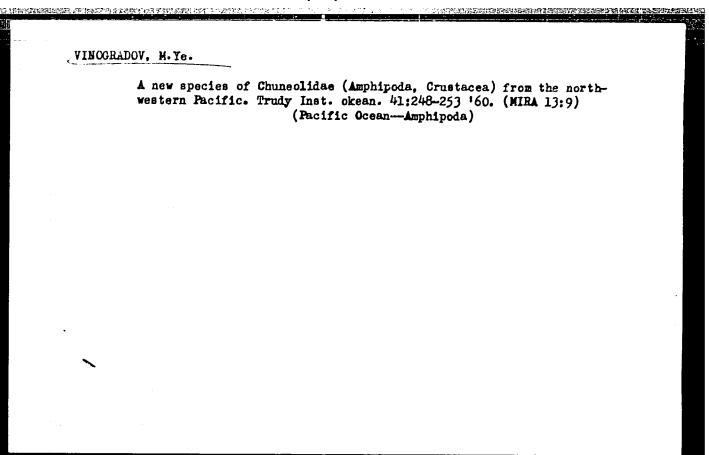
Distribution of zooplankton in the Kurile-Kamchatka area of the Pacific Ocean. Trudy Inst. okean. 34:60-84 '60. (MIRA 13:10) (Pacific Ocean--Zooplankton)

Pelagic gammarids in the tropical part of the Pacific Ocean.
Trudy Inst. okean. 34:165-241 '60. (MIRA 13:10)

(Pacific Ocean--Amphipoda)



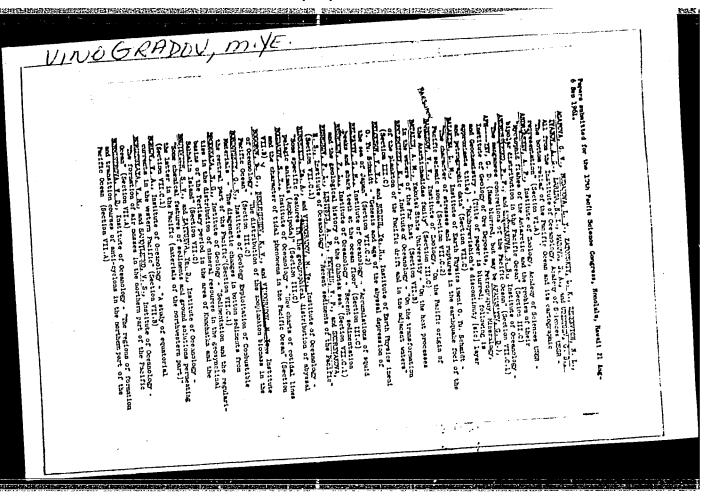




VINOGRADOV, M.Ye.

Plankton of deep waters of the Sea of Japan. Zool.zhur. 39 no.4:500(MIRA 13:11)
508 Ap 160.

1. Institute of Oceanology of the U.S.S.R. Academy of Sciences, Moscow. (Japan, Sea of-Plankton)

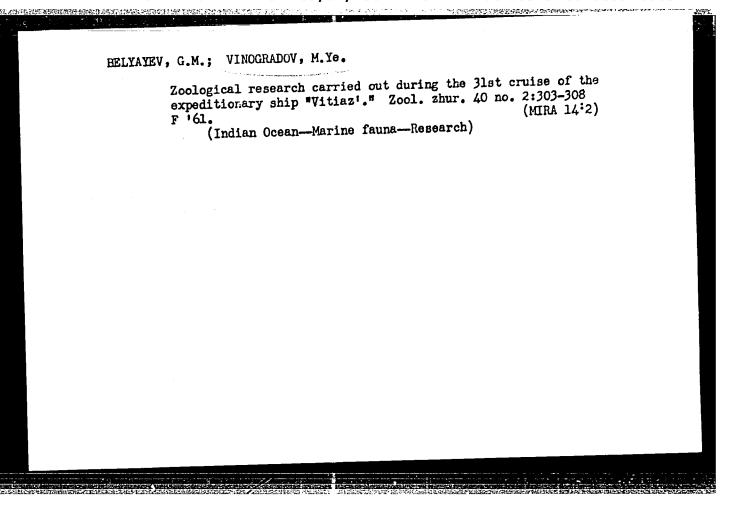


VINOGRADOV, M.Ye.; VORONINA, N.M.

Effect of oxygen deficiency on the distribution of plankton in the Arabian Sea. Okeanologiia 1 no.4:670-678 '61. (MIRA 14:11)

1. Institut okeanologiia AN SSSR.

(Arabian Sea--Plankton) (Oxygen--Physiological effect)



]	Food sources of deep-sea fauna; decomposition rate of dead Pteropod Dokl.AN SSSR 138 no.6:1439-1442 Je 161. (MIRA 14:6			
;	1. Institut okean	nstitut okeanologii AN SSSR. Predstavleno akademikom N.M.		
;	Strakhovyh.	(Zooplankton)		
	•			

VINOGRADOV, M.Ye.; VORONINA, N.M.

Distribution of some copepod species occurring in large masses in the Indian Ocean. Dokl. AN SSSR 140 no.1:219-222 S-0 '61. (MIRA 14:9)

1. Institut okeanologii AN SSSR. Predstavleno akademikom A.L. Kursanovym. (Indian Ocean--Copepoda)

CIA-RDP86-00513R001859920003-4" APPROVED FOR RELEASE: 09/01/2001

Quantitative distribution of abyssal plankton in the northern part of the Indian Ocean. Okeanologiia 2 no.4:577-592 162.

(MIRA 15:7)

March 19 control of the control of t

1. Institut okeanologii AN SSSR.
(Indian Ocean--Plankton)

VINOGRADOV, M.Ye.; PARIN, N.V.; SAVILOV, A.I.

Marine biology. Okeanologiia 2 no.3:493-505 '62. (MIRA 15:7)

(Marine biology)

VINOGRADOV, M.Ye.; VORONINA, N.M.

Some features of the distribution of zooplankton in the northern part of the Indian Ocean. Trudy Inst. okean. 58:80-113 162. (MIRA 15:12) (Indian Ocean—Zooplankton)

VINOGRADOV, M.Ye.; BELOUSOV, I.M.

Second International Oceanographic Congress. Izv. AN SSSE. 712.
atm. 1 okeana 2 no.1:97 Ja '66.

(MIRA 19:1)

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDI

CIA-RDP86-00513R001859920003-4

UR/0213/66/006/002/0314/0325 EWT(1) L 33449-66 SOURCE CODE: (N) AP6014285 ACC NRI AUTHOR: Bogorov, V. G.; Bordovskiy, O. K.; Vinogradov, M. Ye. ORG: Institute of Geology and Development of Mineral Fuels (Institut geologii i razrabotki gopyuchikh iskopayemykh); Institute of Oceanology, AN SSSR (Institut okeanologii AN SSSR) TITLE: Biochemistry of ocean plankton. Distribution of certain chemical components of plankton in the Indian Ocean SOURCE: Okeanologiya, v. 6, no. 2, 1966, 314-325 TOPIC TAGS: calcium carbonate, carbon, planton, biomass, phytoplankton SEA LUATER, PLANT ECOLOGY, BIOLOGIC ECOLOGY, BIOCHEMISTRY ABSTRACT: The material for this study was collected by the research vessel "Vityaz!" during the 31st cruise in the Indian Ocean in October 1959 and April 1960.

ABSTRACT: The material for this study was contected.

during the 31st cruise in the Indian Ocean in October 1959 and April 1960. An 0-100 m layer of the ocean floor was sampled. The samples were dried without fixing Calcium carbonate, organic carbon, and lipide contents were determined. The organic carbon content of the plankton investigated averages 29.9% (ranging from 24.2 to carbon content of the plankton investigated averages 29.9% (ranging from 24.2 to carbon content was observed in areas 35.6%) of the dry weight. The lowest plankton carbon content was observed in areas of intensive upwelling where an essential part of the total biomass is composed of phytoplankton (diatoms). Because of the constant relative amount of organic carbon phytoplankton, its absolute distribution in the upper 100-m layer generally follows in plankton, its absolute distribution pattern of the total plankton biomass. The lipide rather closely the distribution pattern of the total plankton biomass. The lipide fraction content ranges from 6.4 to 13.6%, averaging 9.4% of the dry weight. Plankton UDC: 550.42:517/475(267)

AP6014285 ACC NRI

Ó

is especially rich in lipide where it has maximum concentration. A high correlation between the amount of lipide in plankton and the depth of the upper boundary of the depth of the upper boundary of the thermocline was found. A similarly high correlation exists between the lipide content of the plankton and the temperature at the depth of 100 m. The data obtained lead to the conclusion that an increase or decrease in the lipide content of plankton is closely connected with environmental conditions. The distribution pattern of absolute amounts of lipide follows the general biomass distribution pattern of plankton. The calcium carbonate content averages 11.7% (ranging from 4.8 to 21%) of the dry weight. Comparison of the carbonate content of plankton with the distribution of pteropods and globogerins shows that, apparently the calcium carbonate content of tropical plankton is determined, first of all, by the amount of globigernia. Orig. art. has: 4 figures and 1 table. [Based on [TT] authors' abstract.]

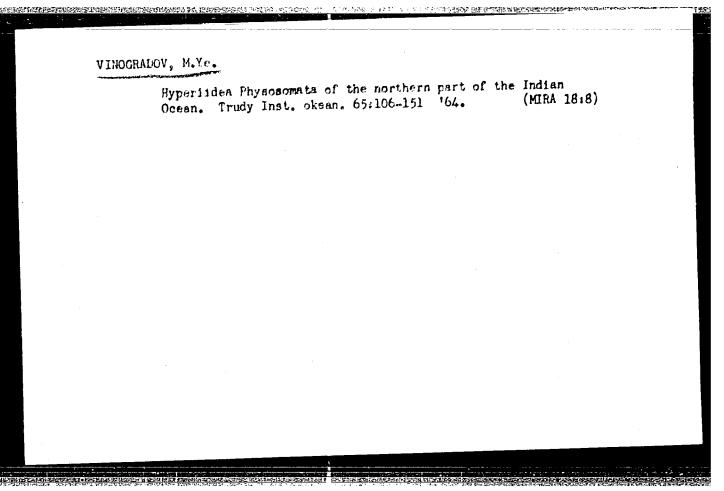
SUB CODE: 08, 11/ SUBM DATE: 24Dec65/ ORIG REF: 022/ OTH REF: 008

CIA-RDP86-00513R001859920003-4" APPROVED FOR RELEASE: 09/01/2001

VINCGRADOV, M.Ye.; VORONINA, N.M.

Distribution of plankton in the waters of the equatorial currents of the Pacific Ocean. Report No.2: Vertical

distribution of different species. Trudy Inst. okean. (MIRA 18:8) 65:58-76 '64.



VINOGRADOV, M.Ye.

Hyperiids (Amphipoda) collected by the Soviet Antarctic Expedition on the diesel-electric ship "Ob'" south of 40°S. Issl. fauny mor. (MIRA 17:9) 1:5-35 '62.

1. Institut okeanologii AN SSSR.

VINOGRADOV, M.Ye.; VORONINA, N.M.

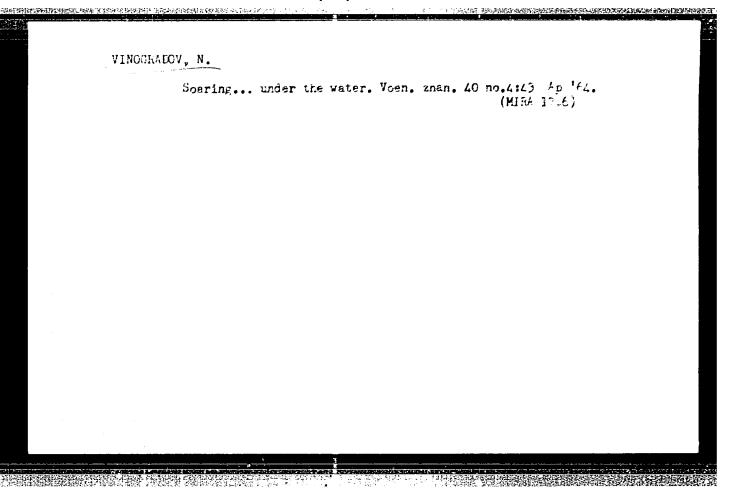
Distribution of plankton in waters of the Pacific equatorial currents. Trudy Inst. okean. 71:22-59 '63. (MIRA 16:11)

BIRSHTEYN, Ya.A.; VINOGRADOV, M.Ye.

Deep-sea pelagic amphipods of the Philippine Trench. Trudy
Inst. okean. 71:81-93 '63.

(MIRA 16:11)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920003-4"



VINOGRADOV, N.; MUROHKINA, L.

We are mobilizing potentialities. Okhr. truda i sots. strakh. 5 no.6: 13-14 Je '62. (MIRA 15:7)

1. Zaveduyushchiy otdelom sotsial'nogo strakhovaniya Ul'yanovskogo oblastnogo soveta profsoyuzov (for Vinogradov). 2. Doverennyy vrach Ul'yanovskogo oblastnogo soveta profsoyuzov (for Muromkina). (Ul'yanovsk Province—Medicine, Industrial)

THE STATE OF THE S

VINOGRADOV, N.

Distribution of enterprises and supply areas of the food industry. Vop.ekon. no.6:39-54 Je '56. (MLRA 9:8) (Food industry)

THE PROPERTY OF THE PROPERTY O

AFANASENKO, Ye.A.; KAIROV, I.; VINOGRADOV, N.

Organization of housekeeping chores in general schools, boarding schools, and orphanages. Gig. i san. 25 no. 6:111-114 Je '60.

(MIRA 14/2)

1. Ministr prosveshcheniya RSFSR (for Afanasenko). 2. Prezident Akademii pedagogicheskikh nauk (for Kairov). 3. Ministr zdravookhraneniya RSFSR (for Vinogradov). (STUDENT ACTIVITIES)

٠.	VINOGRADOV.	NΤ
L.	V I NULTRADUV A	14 •

- 2. USSR (600)
- 4. Rozova, Sof'ia Nikolaevna
- 7. An interesting book ("A half century in school." S. Rozova, Reviewed by N. Vinogradov.) Nach. shkola 21, No. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

	ED FOR RELEASE		· 11 The State of Technologies	
VINOGRADO	N. N.			
Team financial responsibility is an important prerequisite for the improvement of trade. Sev. terg. no.11:13-15 H '58.				
	(MIRA 11:)			(MIRA 11:12)
		(Cemmerce)		

VINOGRADOV, N.

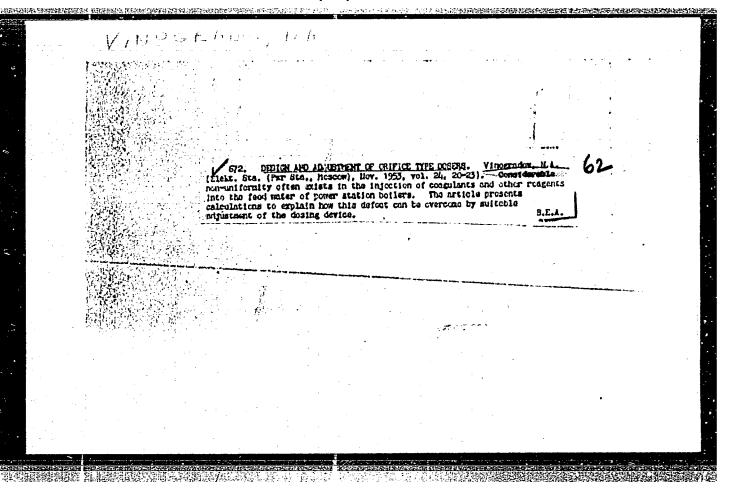
Volga River

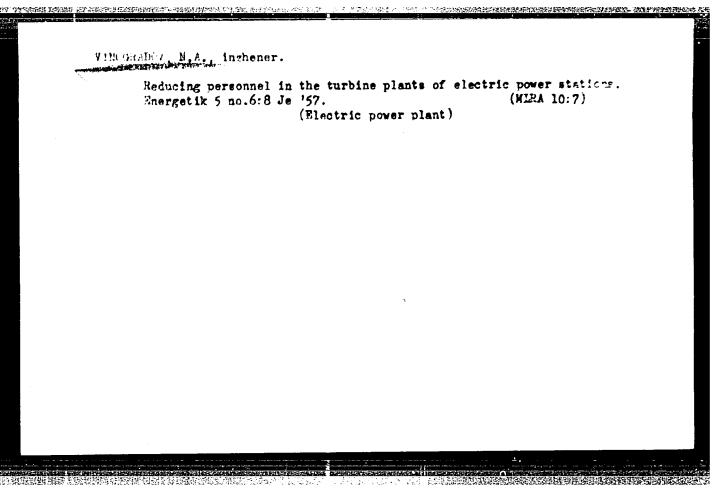
Pioneer assembly in the 7th class. Geog. v shkole No. 5, 1952.

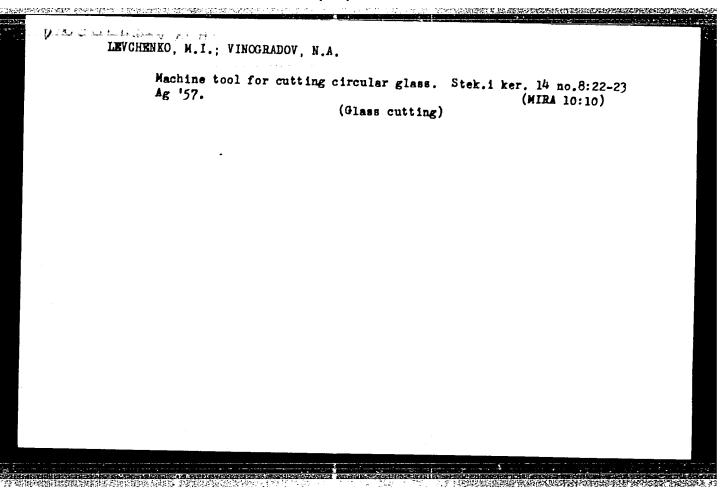
Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

VINOGRADOV, N., admiral

Reliable watch on the sea frontiers of the country. Voen. znan.
38 no.7:3-4 J1 '62. (MIRA 15:6)
(World War, 1939-1945--Naval operations) (Russia--Navy)







sov/72-59-11-14/15

AUTHORS:

Levchenko, M. I., Kondakova, M. N., Vinogradov, N. A.,

Baranov, D. I.

TITLE:

Apparatus for the Production of Bent Glass (Ustanovka dlya

proizvodstva gnutogo stekla)

PERIODICAL:

Steklo i keramika, 1958, N_r 11, pp 44-46 (USSR)

ABSTRACT:

The apparatus was developed and introduced by a group of engineers in the Gusevskiy Factory. It consists mainly of an electro-furnace (see figure). The mount for molding (mollirovaniye) possesses the desired form for the bent glass and is constructed of heat-resistant steel. It is fastened to a slide, which can be moved along rails in the furnace. On this molding form bent wind shields for the "Volga" and "Moskvich" automobiles are produced. The glass packets are prepared in regard to size and strength, and are exactly aligned and attached securely to the slide, and then is introduced into the furnace through a forehearth of the furnace. At a furnace temperature of 590-620 the glass becomes deformed and assumes the shape of the molding form. This process lasts 6 to 8 minutes and can be

Card 1/2

Apparatus for the Production of Bent Glass

SOV/72-58-11-14/15

watched through an aperture in the furnace door. Afterward the glass is allowed to stand at the open furnace door for about 4 minutes, and then it is removed from the furnace and allowed to cool completely. After cleaning and testing the glass objects are brought to the factory for the assembly. The glass for the Moskvich automobiles is further hardened on a formed blast grill beside the furnace. There is 1 figure.

ASSOCIATION:

Gusevskoy stekol'nyy zavod imeni Dzerzhinskogo (Gusevskoy Glass Works imeni Dzerzhinskiy)

Card 2/2

THE THE PROPERTY OF THE PROPER

- 8(0) PHASE I BOOK EXPLOITATION SOV/3142
- Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya
- Spravochnyye dannyye po elektrooborudovaniyu (Reference Data on Electric Equipment) Moscow, Mashgiz, 1959. 711 p. (Series: Its: [Trudy] kniga 94)
- Errata slip inserted. 6,000 copies printed.
- Additional Sponsoring Agencies: USSR. Gosudarstvennaya planovaya komissiya, Glavnoye upravleniye nauchno-issledovatel'skikh i proyektnykh organizatsiy.
- Compilers: A.Ye. Gurevich, Engineer, N.A. Vinogradov, Engineer, and B.V. D'yakov, Engineer, Ed.: A.Ye. Gurevich, Engineer; Tech. Ed.: Z.I. Chernova; Managing Ed. for Information Literature: I.M. Monastyrskiy, Engineer.
- PURPOSE: The handbook is intended for use in design bureaus for rough drafts and technical designing. For operational designing

Card 1/10

Reference Data (Cont.)

SOV/3142

TO COMPANY OF THE PROPERTY OF

all handbook data should be checked with catalogs or comply with the manufacturer's specifications.

COVERAGE: The handbook contains basic data and information on electric motors of special and general purpose , on braking electromagnets and on track and limit switches used in the heavy metallurgical industry. It also contains information on d-c and a-c electric motors and on the equipment used in other branches of industry. The handbook was prepared by the Tsentral'noye konstruktorskoye byuro metallurgicheskogo mashinostroyeniya-TsKEMM (Central Design Bureau of Metallurgical Machine Building) of the TsNIITMASh (Central Scientific Research Institute of Technology and Machine Building), and by the design bureaus of the heavy machinery building industries. It has been used in blueprint form for ten years in many organizations. There are no references.

TABLE OF CONTENTS:

Introduction

Card 2/10

3

Reference Data (Cont.) SOV/3142	
PART I. ELECTRIC MACHINES FOR CRANES AND IN METALLURGY	
Ch. I. A-c Induction Motors for Cranes and Metallurgy MT-and MTK-type motors (for normal conditions) MT-and MTK-type motors with SV-class insulation (for tropical climates)	6 6 1 23
Ch. II. D-c Motors for Cranes and Metallurgy MPKPDN-type motors DP-type motors (for tropical climates) DP-type motors (for normal conditions) D-c machines of the MP-14 type D-c vertical motors	32 32 62 74 77 86
Ch. III. Roll-train Electric Motors Induction roll-train motors of the AR custom lot type AR custom lot type Roll-train motors of the AZR, AZRF and MAR types	91 91 91 114
Ch. IV. Large D-c Rolling Electric Motors Card 3/10	118

Reference Data (Cont.)	sov/3142
Rolling motors of the MP type Mashines of the PBK type	142
Ch. V. Large A-c Induction Rolling Motors Motors of the AP, APO and DAP types	154 154
Ch. VI. Standard Electric Motor Characterist Calculation of mechanical characteristics Universal characteristics of motors	168 160 160 161
PART II. ELECTRIC MACHINES OF GENERAL	
Ch. VII. A-c Induction Motors of All-Walten C Modifications	102
Protected squirrel-cage motors of the A an standard design from 0.6 to 100 kw Totally enclosed ventilated AO- and AOL -	102
motors of standard design from 0.6 to	100 kw 156
Card 4/10	

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920003-4"

Reference Data (Cont.)	SOV/3142
Protected squirrel-cage motors of the A and AL	types from 100
to 400 kw, of the 10th and 11th overall sizes	2.5
A-and AO-type motors	5,
AP-and AOP-type motors with increased torque	: : : : : : : : : : : : : : : : : : : :
AS-and AOS-type motors with increased slip AK-type wound-rotor motors	2 3
Multispeed A and AO-type motors	25
AV-type built-in motors	26 -
AOLT-31-4- and AOL-42-12-type motors for hoists	3 53
AOL-and AOLB-type small induction motors	31,4 321.
Ch. VIII. D-c Machines of General Application	33 -
PN; PNF and PNV-type machines	33
MP-11 machines	3 69
MPB-type balancing machines	3
Ch. IX. Various Induction Motors	3 0
AM-6-type motors	38
GAM-6- and DAM-6-type motors	30. 36 36.
Card 5/10	

Reference Data (Cont	·	SOV/3142
Ch. X. Universal Mo PL-and UL-type co MUN-and UMT-type	otors ommutator motors commutator motors	3 <u>1</u> × 31 × 41 × 41 × 41 × 41 × 41 × 41 × 41
PART II	II. SYNCHRONOUS AND SPECIAL MACHIN	ES
GS; GSG; GSD; DS- to 18th sizes MS-320-type synch SG and S-type syn aPN, KaPN-and aP ChS-7-type synchro SOD-220-and SM-ty	DS-type synchronous machines of and DSZ-type synchronous machines chronous generators NT-type synchronous generators onous generators pe synchronous generators	the 14th and 40 88 of the 16 44 44 44 44 44 44 44 44 44 44 44 44 44
Ch. XII. Special Mac Rotating amplifier EMU-100 and EMU-11	r's of the EMNL-12. EMNY-25 Pury 50	, EMU-70, 47;
		4.

Selsyns of the DI-501, DI-511 and	SS-501 types 490
Magslips of the BS-404A, BS-501 A	BD-404A and BD-501 A
types	491
Magslip control transformers of the Selsyns of the BS-404AT, BS-50	1e BS-405 type 494
and BD-501AT types (for tropics	al climates) 495
Selsyns of the SS-195-150 type	497
Selsyns of the SS-195-135 type	498
D-c machines of the MI type	501
Tachometer generators ET-7/110 TG-0	041 and MET-8/55 510
Two-phase induction servomotors of	the ASM type 512
PART IV. I CW VO'TAGE EQUIPMENT	INSTALLED ON MECHANISMS
n. XIII. Brakes and Electromagnets	515
Brakes of the TKT, TKP and TKTG ty	rpes fi f
Braking electromagnets of the KMT,	VM and KMP types 526
D-c electromagnets of the A type	534
Open-make ES-1 pull-push electroma	gnets 538
Open-make ES-1 pull-push electroma	gnets 538

73.4	SOV/3142
Electromagnetic connecting and disconnec VV-2, VV-4, VV-22 and VV-24 types Winding data of brake and electromagnet Stabilizing transformers of the TS-72-60	541 coils 547
types	554
h. XIV. Track and Limit Switches Dust-protected limit switches of the KU splash-proof limit switches of the KU type	556 type 556 pe 556
Limit switches of the KU-500 T type Limit switches of the V-10, VU-150, VU-2 211 types	552 50, VK-100 and VK-
Change-over micro-seltches of the MP-1 at Track switch of the K-311 A type (hermet	tic) 572
Cam controller of the KA-4000 and KA-4000 Rotating controller of the KA-5000 type	O T types 574
Universal change-over switches of the UP- Universal pole-changing switch for multip	-5100 type 597
UP-5200 type	609
ard 8/10	

Reference Data (Cont.)	05
Rotary change-over switches for multispeed motors of the PK- and PK-60 types Rotary switches and change-over switches of the PK type Control pushbuttons of the KU and LKU types	626
Ch. XV. Centrifugal Switches and Mechanical Relay for Rotation	18 632
Control Ch. XVI. Inductive Feelers Inductive feelers of the IV-110T and IV-120T types Inductive feelers of the IKV-10, IKV-20 and IKV-30 types Inductive feelers of the TUM, TRM, UM and UMS types Magnetic amplifiers of the MUT type	642 642 643 650 656
Ch. XVII. Pulse Apparatus for Automation	658 658 672
Photoelectronic apparatus of the FRS-53, FRS-55, FRS-8, and Metallurgical photorelays of the FRS-53, FRS-55, FRS-8, and FRS-12 types	678
Card 9/10	

Electron Contact	nagnetic feeler of the EMD-1 type rollers		703 705
Ch. XVIII. Electrom	Electromagnetic Clutches agnetic multidisk friction clutches	of the EM type	708 708
	Library of Congress		,
Card 10/10			P/Jb 5-60

CIA-RDP86-00513R001859920003-4 "APPROVED FOR RELEASE: 09/01/2001

8(6) AUTHOR:

Vinogradov, M.A., Engineer

SOV/91-59-9-5/33

THE TOTAL PROPERTY OF THE PROP

TITLE:

Improving Automation and Protection Circuits of PVSS-

200 High-Pressure Preheaters

PERIODICAL:

Energetik, 1959, Nr 9, pp 10-11 (USSR)

ABSTRACT:

The author describes modifications of automation and protection circuits of PVSS -200 high-pressure preheaters. These preheaters are designed for an output of 210 tons of water per hour. They are installed with VK-50, VPT-25 and VT-25-4 turbines. The latter arrangement is shown in a diagram. The automation and protection circuits are designed in such a way that the valves are in an "open" position at rated water discharge. With rated flow of water, the pressure loss in the preheater amounts to 17-23 mm mercury column. With a decrease of the water flow, the pressure on valve 1 is reduced proportionally to the square of the water flow reduction. This will eventually cause a

Card 1/2

shut-down of the valves and the preheater on a whole,

307/51 -59-9-5/33

Improving Automation and Protection Circuits of PVEC-200 High-Pressure Preheaters

when operated with turbines VT-25-4 and VPT-25-3, which work on condensers. Unstable operation of the preheater was observed also with greater flows, when the automatic feed system of boilers caused some shocks. In these cases the temperature of the preheated water is 40-45°C lower. An additional pipeline with a throttle was introduced, which was calculated in such a way that it will develop a supporting force of 200-250 kg on the valve. This force is created by means of a pressure difference of 4-5 atmospheres under the piston in the valve chambers. There is 1 diagram.

Card 2/2

"Mork of Medical Caures and Leasures for Indication, Their Qualifications" (Rabota's Meditsinskim Kadrami i Leropryatiya po Povshendyu ikh kvalifikatisi)

Sovetskove Zdravookhraneniye, No 1-2, 1944
RAB 1638, p40

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920003-4"

AND A CONTROL OF THE PROPERTY OF THE PROPERTY

VINOGRADOV, N.A.

Medical stations in city districts. Sovet.med. no.5:32-33 May 1951. (CLML 20:9)

1. Of the Institute of Public Health Organization and History of Medicine imeni N.A. Semashko of the Academy of Medical Sciences USSR (Director-Candidate Medical Sciences N.A. Vinogradov).

GAL'PERIN, Semen Il'yich; VINOGRADOV, N.A., redaktor.

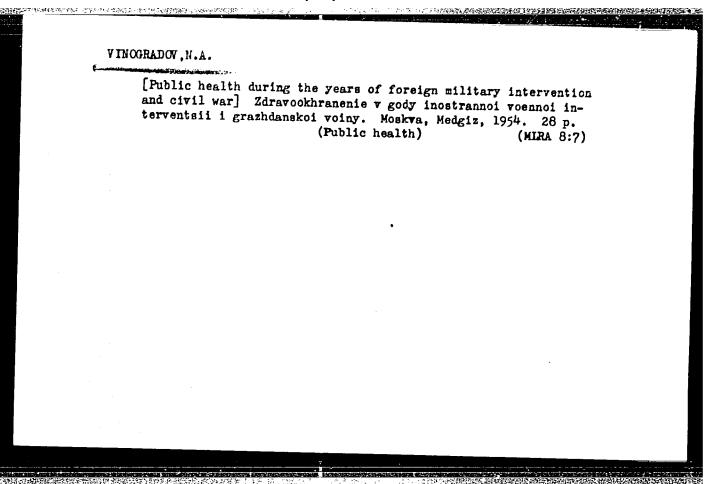
[Protective and therapeutic hospital regimen] Lechebno-okhranitel'-nyi reshim v bol'nitse. Moskva, Medgiz, 1953. 82 p. (MLRA 7:11) (Hospitals)

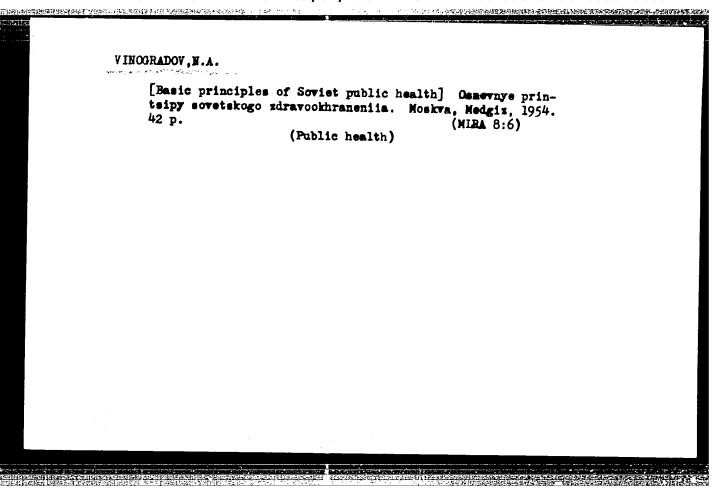
VINOGRADOV, N.A., professor; OBROSOV, A.N., professor, direktor.

Physical and health resort factors in disease prevention. Sov.med. 17 no.8: 19-24 Ag '53. (Mida 6:8)

A STATE OF THE PROPERTY OF THE

1. Gosudarstvennyy nauchno-issledovatel'skiy institut fizioterapii Ministerstva zdravookhraneniya RSFSR. (Health resorts, watering places, etc.)





VINOGRADOV, N.A. [Rele of the Russian physician in preserving the health of the people] Rol' russkego vracha v okhrane zdorov'ta naroda. Moskva, Medgis, 1954 51 p. (MLRA 9:1) (PHYSIGIANS)

VINOGRADOV, Nikolay Arkad'yevich; PODOL'NYY, Solomon Abramovich; ROSTOTSKIY, Iosif Boleslavovich; GAL'PERIN, S.Ye., redaktor; ROMANOVA, Z.A., tekhnicheskiy redaktor.

[Methods of inspecting city hospitals] Metodika obsledovanila gorodskikh bol'nits. Moskva, Gos. izd-vo med. lit-ry, 1954. 114 p. (MLRA 8:1) (Hospitals--Inspection)

SEMASHKO, Bikolay Aleksandrovich; ASHURKOV, Ye.D., redaktor; BARSUKOV, M.I., redaktor; VINCORADOV, N.A., redaktor; GUEFIN, D.V., redaktor; PBTROV, B.D., redaktor; HUDOV, Ia.O., redaktor; SLONINSKAIA, N.A., redaktor; GABERLAND, M.I., tekhnicheskiy redaktor

[Selected works] Isbrannye proizvedeniia. Red. kollegiia: E.D. Ashurkov i dr. Moskva, Gos. izd-vo med. lit-ry, 1954. 337 p. (Public health)

(NLRA 7:10)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859920003-4"

(MIRA 7:8)

VINOGRADOV, N.A.

W.A. Semashko and his struggle for peace and friendship among nations;
5th anniversary of his death. Sov. sdrav. 13 no.3:38-41 My-Je '54.

MENT TO A THE STREET THE PROPERTY OF THE STREET PROPERTY OF THE STRE

(SEMASHKO, MIKOLAI ALEKSANDROVICH, 1874-1949)

ZABLUDOVSKIY, Pavel Yefimovich, dotsent; KHMKLEV, N.S., redaktor; VINOGRADOV, E.A., redaktor; ZHUKOV, G.I., redaktor; ZHUVYTEV, T.A., redaktor; YEVDOKIMOVA, Z.N., tekhnicheskiy redaktor.

[Origin of medicine in human society] Voznikmovenie meditsimy v chelovecheskom obshchestve. Moskva, Gos.ind-vo meditsinskoi lit-ry, 1955. 20 p. (Biblioteka vracha-organizatora. Lekteii po organizateii zdravookhraneniia dlia vrachei. Istoriia otechestvenmoi meditsimy, lekteiia 1) (MERA 8:11)

(MEDICINE-HISTORY)

HOUSE THE THE PROPERTY OF THE

CIA-RDP86-00513R001859920003-4"

ZABLUDOVSKIY, Pavel Yefimovich; KHMKLEY, N.S., redaktor; VINOGRADOV, N.A. redaktor; ZHUKOV, G.I., redaktor; ZINOV'YMV, I.A., redaktor; YEVDOKI40VA, Z.N., tekhnicheskiy redaktor.

[Development of medicine among the peoples of the U.S.S.R. until the time of feudalism and during the feudal period. Medicine in the Moscow feudal state] Rasvitie meditsiny u narodov SSSR do feodalizma i v feodal'nyi period. Meditsina v Moskovskom feodal'nom gosudarstve, Moskva, Gos.isd-vo meditsinskoi lit-ry, 1955 31 p. (Biblioteka vracha-organisatora Lektsii po organisatsii zdravookhraneniia dlia vrachei. Lektsii po istorii otechestvennoi meditsiny, lektsiia 2) (MLRA 8:11) (MEDICINE-HISTORY)

APPROVED FOR RELEASE: 09/01/2001

VINOGRADOV, N.A. [Progressive traditions of Russian medicine in public health protection] Progressivnye traditisii russkoi meditsiny v okhrane zdorov'ia naroda. Moskva, Medgiz, 1955. 34 p. (MLRA 8:4) (Public health—History)

方句的**可以,**所谓的是一个人的。

SHIKOW, Grigoriy Terent'yevich; ASHURKOW, Ye. D., redakter; VINOGRADOV, N.A., redakter; MHESIN, Ye. Ya., redakter; YEVDOKINOVA, Z.H., tekhnicheskiy redakter.

[Organization of medical services for workers in industrial enterprises; a lecture] Organizatsiia meditsinskege obslushivania rabechikh premyshlennykh predpriiatii; lektsiia pod obshchoi red. B.D.Ashurkeva i N.A. Vinegradeva. Meskva, Ges.isd-ve meditsin-red. B.D.Ashurkeva i N.A. Vinegradeva. Meskva, Ges.isd-ve meditsin-skei lit-ry, 1955. 40 p.

(IEDUSTRIAL MEDICINE)

10 10 CONTROL OF THE PROPERTY OF THE PROPERTY

VINOGRADOV, N.A.

[Public health service during the struggle for nation-wide socialist industrialization in 1926-1929] Zdravookhranenie v gody bor'by za sotsialisticheskuiu industrializatsiiu strany, 1926-1929. Moskva, Medgiz, 1955. 43 p. (MLRA 8:4)

(Public health-History)

THE PROPERTY AND ADDRESS OF THE PROPERTY OF TH

ARTEM YEV, Fedor Andreyevich; KHRELEV, N.S., redaktor; VINOGRADOV, N.A., redaktor; ZHUKOV, G.I., redaktor; YEVIMOCHKIN, V.P., redaktor; YEVIDOKIMOVA, Z.N., tekhnicheskiy redaktor.

[Periods of work and rest] Rabochee vremia i vremia otdykha.

Moskva, Gos.izd-vo meditsinskoi lit-ry, 1955. 47 p. (Bibilioteka vrache-organizatora. Lektsii po organizatsii zdravookhreneniia dlia vrachei. Zakonodatel'stvo po upravleniiu zdravookhreneniem i trudu meditsinskikh rabotnikov, lektsiia 3) (MLRA 8:11)

(Hours of labor)

VINOGRADOV, N.A.; TERENT'YEV, A.I.

Automatic machine for cutting slots. Mashinostroitel' no.9:18-19 S '64. (MIRA 17:10)

ARTE('YEV, F.A.; KIP(RLEV, N.S., redaktor; VINOGRADOV, N.A., redaktor. ZHUKOV, G.I., redaktor; YEFIMOCHKIN, V.P., redaktor; YEVDOKIMOVA, Z.H., tekhnicheskiy redaktor.

[Wages, guarantees and compensations] Oplata truda, garantii i kompensatsii. Moskva, Gos.isd-vo med.lit-ry, 1955. 86 p.
(Biblioteka vracha-organizatora. Lektsii po organizatsii sdravo-okhraneniia dlia wachei. Zakonodatel'stvo po upravleniiu sdravo-okhraneniem i trudy meditsinskikh rabotnikov, lektsiia 4)
(Wages)
(MLRA 8:11)

CONTRACTOR AND STATE OF THE PROPERTY OF THE PR

VINOGRADOV, N.A.

Climicophysiological approach in organizing the medical health resort regimen in cardiovascular diseases. Vop.kur.fizioter. i lech.fiz.kul¹t. no.2:21-26 Ap-Je ¹55. (MLRA 8:8)

1. Iz Nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir.prof. A.N. Obrosov)
(CARDIOVASCULAR SYSTEM--DISEASES, therapy,
organiz. of care in health resorts)

```
MOZGLYAKOVA, V. A.

Methods of inspecting municipal hospitals. N. A. Vinogradov.
S. A. Podol'uyi, I. B. Rostotskii. Reviewed by V. A. Mozglia-
kova. Sov.zdrav. 14 no.1:59-60 Ja-F 55. (HLRA 8:4)

(VINOGRADOV, N. A.)

(PODOL'NTI, S. A.)

(HOSPITALS - INSTRCTION)
```

THE TENED HERE AND THE PROPERTY OF THE PROPERT

ASTYATSATUROV, Kerneliy Remanevich, detment; KHMELEV, N.S., redakter; VINO-GRADOV, N.A., redakter; ZHUKOV, G.I., redakter; STUDHITSIN, A.K., TUDHITSIN, A.K., redakter; DEL'CHIKOVA, Yu.S., tekhnicheskiy redakter.

[Organization for the treatment of veneral diseases in villages]
Organizatsiia venerelegicheskei peneshchi ma sele. Meskva. Ges.ixdve med.lit-ry, 1956. 32 p.
(VENEREOLOGY)

TO THE STATE OF THE PROPERTY O

SMULEVICH, Boleslav Yakovlevich; ASHURKOV, Ye.D., redaktor; VIHOGRADOV,

H.A., redaktor; MAZUR, M.M., redaktor; SENCHILO, K.K., tekhnicheskiy

redaktor

[The state of health of the population and methodsof studing it; a lecture] Sostoianie sdorov'ia naseleniia i metody ego isucheniia; lektsiia. Pod obshchei red. B.D.Ashurkova i W.A.Vinogradova. Moskva. Gos. isd-vo med. lit-ry. 1956. 44 p. (MIRA 9:7)

MANAHHIKOVA, Madezhda Vasillevna, dotsent; ASHURKOV, Ye. D., redaktor; YIMORADOY, M.A., redaktor; MOGIMA, O.P., redaktor; SENCHILO, K.K., tekhnicheskiy Winktor

[Protection of mother and child in the U.S.S.R.] Okhrena materinetve i Astatva v SSSR; lektsiis. Pod obshohel red. E.D. Ashurkova i M.A. Vinogradova. Moskva, Gos. izd-vo med. lit-ry 1956. 73 p.

(MATERMAL AND LEGAT MELFARE)

FINCERADON, N'A

BAKULEY, A.N., glavnyy redaktor; ANICHKOV, N.N., redaktor; BOLDYHRY, T.Ye., redaktor; BRUSILOVSKIY, L.Ya., redaktor; BYKOV, K.M., redaktor; VASILENKO, V.Kh., redaktor; VINCGRADOV, M.A., redaktor; GRASHCHENKOV, N.I., redaktor; DAVYDOVSKIY, T.V., redaktor; ZDRODOVSKIY, P.F., redaktor; KAVETSKIY, R.Ye., redaktor; KOCHERGIN, I.G., redaktor; KROTKOV, F.G., redaktor; KUPRIYANOV, P.A., redaktor; LEBEDINSKIY, A.V., redaktor; MALINOVSKIY, M.S., redaktor; MAN'KOVSKIY, B.N., redaktor; HESTEROV, A.I., redaktor; ORBELI, L.A., redaktor; PAVLOVSKIY, Ye.N., redaktor; SEVERIN, S.Ye., redaktor; SKRYABIN, K.I., redaktor; SMIRNOV, Ye.I., redaktor; TIMAKOV, V.D., redaktor; TUR, A.F., redaktor; SHABANOV, A.N., redaktor

[Great Medical Encyclopedia] Bol'shaia meditsinskaia entsiklopediia.
Glav.red. A.N.Bakulev. Chleny red.kollegii K.N.Anichkov i dr. Izd. 2-oe.
Moskva, Gos. izd-vo med. lit-ry. Vol. 1. A - Angiofibroma. 1956.
1216 columns. --- [Phonograph record and three-dimensional color spectacles] Grammofonnaia plastinka i ochki-svetofil'try.

(MEDICINE--DICTIONARIES)

VINOGRADOV, N.A., professor

Hardening the organism. Edorov'e 2 no.7:1-2 Jl '56. (MIRA 9:8).

(PHYSICAL EDUCATION AND TRAINING)

Winogradov, H.A. Mechanism of the skin reaction in electrophoresis of histamine. Vop.kur.fizioter. i lech.fiz.kul't. 21 no.1:/4-50 Ja-Mr '56. (MIRA 9:9) 1. Is Maucnno-issledovatel'skogo instituta fizioterapii Ministerstva sdravookhraneniya RSFSR (dir. - prof. A.H.Obrosov) (HISTAMINE) (MLECTROPHORESIS)

VINOGRADOV, N.A.

Physical factors in treating hypertension. Vop.kur.fizioter. i lech. fiz.kul't. 21 no.4:20-25 0-D 156. (MLRA 9:12)

1. Iz Nauchno-issledovatel*skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - prof. A.N.Obrosov) (HYPERTENSION) (PHYSICAL THERAPY)